

Title (en)

VARIANT WITH HIGH ERYTHRITOL PRODUCTIVITY AND PROCESS FOR PRODUCING ERYTHRITOL

Title (de)

VARIANTE MIT HOHER ERYTHRITOLPRODUKTIVITÄT UND VERFAHREN ZUR HERSTELLUNG VON ERYTHRITOL

Title (fr)

VARIANT POSSEDANT UNE CAPACITE ELEVEE DE PRODUCTION D'ERYTHRITOL ET PROCEDE DE PRODUCTION D'ERYTHRITOL

Publication

**EP 0878540 A4 20020821 (EN)**

Application

**EP 97900436 A 19970117**

Priority

- JP 9700077 W 19970117
- JP 2490196 A 19960119
- JP 23264196 A 19960815

Abstract (en)

[origin: WO9726323A1] A variant of *Trichosporonoides oedocephalis* having characteristics of achieving a higher yield of erythritol on the basis of sugar and a lower cell productivity, each than that of the parent strain, at a sugar concentration of 30 W/V % or above but less than 60 W/V %; and a process for producing erythritol which comprises incubating the variant in a medium having a sugar concentration of from 20 to 50 W/V % and taking up the erythritol thus accumulated in the medium. Thus, erythritol can be efficiently produced on an industrial scale with the use of the strain having a high erythritol productivity.

IPC 1-7

**C12N 1/14**; **C12P 7/18**

IPC 8 full level

**C12N 1/16** (2006.01); **C12P 7/18** (2006.01); **C12R 1/645** (2006.01)

CPC (source: EP US)

**C12N 1/145** (2021.05 - EP US); **C12P 7/18** (2013.01 - EP US); **C12R 2001/645** (2021.05 - EP US); **Y10S 435/911** (2013.01 - EP US)

Citation (search report)

- [A] EP 0327342 A2 19890809 - NGK INSULATORS LTD [JP], et al
- [A] EP 0525659 A2 19930203 - MITSUBISHI CHEM IND [JP]
- [A] EP 0136805 A2 19850410 - CPC INTERNATIONAL INC [US]
- See references of WO 9726323A1

Designated contracting state (EPC)

BE DE DK ES FR GB IT NL PT

DOCDB simple family (publication)

**WO 9726323 A1 19970724**; CA 2241954 A1 19970724; EP 0878540 A1 19981118; EP 0878540 A4 20020821; JP 3423842 B2 20030707; JP H09252765 A 19970930; US 5916797 A 19990629; US 6074857 A 20000613

DOCDB simple family (application)

**JP 9700077 W 19970117**; CA 2241954 A 19970117; EP 97900436 A 19970117; JP 23264196 A 19960815; US 24388699 A 19990203; US 9137798 A 19980617